

**West Texas A&M University  
Advising Services  
Degree Checklist  
2024-2025**

(For assistance completing this form, contact Advising Services at 806-651-5300)

**NAME:** \_\_\_\_\_ **WT ID:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**Agriculture, Food & Natural Resources (Grades 6-12)  
Certification  
Department of Agricultural Sciences  
AGS 220 651-2550**

<b>CORE CURRICULUM COURSES: 42 HOURS</b>		<b>HRS</b>
<b>Communication (Core 10)</b>		
ENGL 1301 Intro. to Academic Writing & Argumentation OR ENGL 1311 Writing About Ideas	3	
COMM 1315, 1318, or 1321	3	
<b>Mathematics (Core 20)</b>		
See University Core Requirements below	(3)	
<b>Life and Physical Sciences (Core 30)</b>		
See University Core Requirements below	(6)	
<b>Language, Philosophy and Culture (Core 40)</b>		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307, PHIL 1301, 2374; SPAN 2311*, 2312**/**, 2313*, or 2315*, 2371 Choose 1	3	
<b>Creative Arts (Core 50)</b>		
ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310 Choose 1	3	
<b>American History (Core 60)</b>		
HIST 1301, 1302, 2301, 2381, 2382 Choose 2	6	
<b>Government/Political Science (Core 70)</b>		
POSC 2305 and 2306	6	
<b>Social and Behavioral Sciences (Core 80)</b>		
See University Core Requirements below	(3)	
<b>Component Area Option (Core 90)</b>		
See University Core Requirements below	(6)	
<b>AGRICULTURE SCIENCE AND TECHNOLOGY (GRADES 6-12) CERTIFICATION REQUIREMENTS: 96 HOURS A grade of "C" or better and a 2.75 GPA is required.^</b>		
<b>UNIVERSITY CORE REQUIREMENTS: 18 HOURS</b>		
<b>CORE 20</b> MATH 1314* or 1324*	3	
<b>CORE 30</b> ANSC 1319, 1319L Principles of Animal Science	3	
<b>CORE 30</b> PSES 1307, 1307L Principles of Plant Science <i>Note: BIOL 1406, BIOL 1411, or BIOL 1413 will also satisfy the second Core 30 requirement; however, PSES 1307 will still need to be taken as a major requirement—reducing the number of elective hours needed.</i>	3	
<b>CORE 80</b> AGBE 2317* Fundamentals of Agricultural Economics	3	
<b>CORE 90</b> ENGL 1302* Academic Writing and Research OR ENGL 2311* Introduction to Professional and Technical Communication	3	
<b>CORE 90</b> AGRI 2300 Personal and Professional Leadership Development	3	
<b>MAJOR REQUIREMENTS: 31 HOURS A grade of "C" or better and a 2.75 GPA is required.^</b>		
AGRI 2372 Welding and Metalwork	3	
AGRI 3303 Agricultural Agencies in the United States	3	
AGRI 3304 Mechanical Systems Mgt. in Agriculture	3	
AGRI 3306 Agricultural Leadership in Youth Organizations	3	
AGRI 3318* Agricultural Statistics	3	
AGRI 3103* Agriculture Industry and Career Preparation	1	

**Bachelor of Science Degree  
Major: Agriculture  
BS.AG.EDS.AFNR (497) – TexES Exams: 160, 272**

AGRI 4302, 4302L Agricultural Buildings and Environmental Control	3	
<b>Take one course from:</b> AGBE 3301* Farm and Ranch Management AGBE 3302* Marketing of Agricultural Products AGBE 3304* Agricultural Business Management	3	
ANSC 3374* Principles of Nutrition	3	
PSES 1301, 1301L Principles of Horticulture	3	
PSES 1307, 1307L Principles of Plant Science (if not taken to satisfy Core 30)	0-3	
PSES 2311, 2311L Fundamentals of Soil Science	3	
<b>EDUCATIONAL COMPONENT: 30 HOURS A grade of "C" or better and a 2.75 GPA is required.^</b>		
AGRI 2371 Introduction to Agriculture Education	3	
AGRI 4305* Conducting Supervised Agricultural Exp. Progs.	3	
EPSY 4341* Educator Readiness and Performance	3	
EDPD 4341* Classroom Mgt. in Agriscience	3	
EDRD 4386 Secondary Reading in the Content Area	3	
EDSE 4321* Teaching in Agriscience	3	
EDPD 4398* Clinical Teaching – All Certificate Areas	3	
EDSE 4341* Clinical Teaching - Secondary	3	
EPSY 3341* Educational Psychology	3	
EPSY 3350 Children with Special Needs	3	
<b>BACHELOR OF SCIENCE REQUIREMENTS: 6 HOURS OPTION</b>		
Six hours chosen from biology, chemistry, environmental science, geology, geosciences, mathematics, physics, or natural sciences.	6	
<b>ELECTIVES: 11 HOURS</b>		
ELECTIVES	11	
<b>MINIMUM HOURS REQUIRED TO COMPLETE DEGREE</b>	120	

\* Indicates prerequisites—see catalog for more information.

\*\* Or an equivalent course (second year, second semester) in a foreign language.

**^Transfer & WT GPA combined must be 2.75.**

**NOTE: This is NOT a degree plan. All undergraduate students must request an official degree plan from their academic dean's office by the time they have completed 30 credit hours.**

**WTAMU ADVISING SERVICES – 2024-2025 Curriculum Guide**

**Major: Agriculture, Food & Nat. Res. (6-12) Cert., B.S. Major Code: 497**

<b>Year 1: Fall</b>		<b>Year 1: Spring</b>	
CORE 10 (Communication) – ENGL 1301 or 1311	3	CORE 30 (Life & Phys. Sci.) – PSES 1307	3
CORE 20 (Mathematics) – MATH 1314	3	CORE 90 (Component Area Option) – ENGL 1302, 1312, or 2311	3
CORE 30 (Life & Phys. Sci.) – ANSC 1319/1319L	3	AGRI 2372 Welding and Metalwork	3
CORE 90 (Component Area Option) – AGRI 2300	3	CORE 10 (COMM) – See checklist for options <sup>1</sup>	3
CORE 60 – See checklist for options <sup>1</sup>	3	CORE 70 – See checklist for options <sup>1</sup>	3
<b>Total:</b>	<b>15</b>	<b>Total:</b>	<b>15</b>
<b>Year 2: Fall</b>		<b>Year 2: Spring</b>	
AGRI 2371 Introduction to Agriculture Education	3	PSES 2311/2311L Fundamentals of Soil Science	3
PSES 1301/1301L Principles of Horticulture	3	CORE 80 (Social & Behav. Sci) – AGBE 2317	3
CORE 40 – See checklist for options <sup>1</sup>	3	B.S. Requirement – See checklist for options	3
CORE 60 – See checklist for options <sup>1</sup>	3	CORE 70 – See checklist for options <sup>1</sup>	3
B.S. Requirement – See checklist for options	3	CORE 50 – See checklist for options <sup>1</sup>	3
<b>Total:</b>	<b>15</b>	<b>Total:</b>	<b>15</b>
<b>Year 3: Fall</b>		<b>Year 3: Spring</b>	
AGRI 3318 Agricultural Statistics	3	AGRI 3303 Agricultural Agencies in the United States	3
ANSC 3374 Principles of Nutrition	3	AGRI 3304 Mechanical Systems Mgt. in Agriculture	3
AGBE 3301, 3302, or 3304	3	AGRI 3306 Agricultural Leadership in Youth Organizations	3
EPSY 3341 Educational Psychology	3	EPSY 3350 Children with Special Needs	3
Elective	3-6	EPSY 4341 Educator Readiness and Performance	3
<b>Total:</b>	<b>15-18</b>	Elective	2
		<b>Total:</b>	<b>17</b>
<b>Year 4: Fall</b>		<b>Year 4: Spring</b>	
AGRI 3103 Agricultural Industry and Career Preparation	1	EDPD 4398 Clinical Teaching – All Certificate Areas	3
AGRI 4302 Agricultural Buildings & Environmental Control	3	EDSE 4341 Clinical Teaching - Secondary	3
AGRI 4305 Conducting Supervised Agricultural Experience Progs.	3	Elective	3-6
EDPD 4341 Classroom Management in Agriscience	3		
EDSE 4321 Teaching in Agriscience	3		
EDRD 4386 Secondary Reading in the Content Area	3		
<b>Total:</b>	<b>16</b>	<b>Total:</b>	<b>9-12</b>

<sup>1</sup> **CORE:** Agriculture, Food & Natural Resources (6-12) majors are required to take specific courses for Core 20, Core 30, Core 80, and Core 90. For all other categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.

<b>Identified Marketable Skills</b> 1. Agriculturally literate 2. Teachable/leadership/followership 3. Problem solver 4. Professional 5. Communicator 6. Competent in field of study	<b>Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities</b> Independent School Districts Banking/lending Extension
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**Additional notes:**

- The core curriculum must total exactly 42 hours; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.
- At least 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

DISCLAIMER: This curriculum guide should be used in conjunction with the corresponding degree checklist for general planning purposes only. The degree checklist (later a student’s official degree plan) should be referred to as the comprehensive list of all courses required for the degree. An official degree plan is required after completing 30 hours. Students should always seek the advice of their academic adviser before scheduling classes.